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(FILE 'HOME' ENTERED AT 12:50:26 ON 21 APR 2004)

FILE 'STNGUIDE' ENTERED AT 12:50:34 ON 21 APR 2004

FILE 'HOME' ENTERED AT 12:50:37 ON 21 APR 2004

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 12:50:49 ON 21 APR 2004

L1 250227 S (CITRIC OR TARTARIC) (W)ACID OR CITRATE
L2 349509 S ATELLOCOLLAGEN OR COLLAGEN
L3 490 S L1(9A)L2
L4 12348 S STABILIZ? (6A) (DNA OR NUCLEIC(W)ACID OR POLYNUCLEOTIDE OR RNA)
L5 0 S L3 AND L4
L6 22931 S SOLUTION (6A) (DNA OR NUCLEIC(W)ACID OR POLYNUCLEOTIDE OR RNA)
L7 0 S L3 AND L6
L8 0 S L1 AND L2 AND L4
L9 0 S L1 AND L2 AND L6
L10 4069971 S (DNA OR NUCLEIC(W)ACID OR POLYNUCLEOTIDE OR RNA)
L11 2 S L3(8A)L10
L12 2 DUP REM L11 (0 DUPLICATES REMOVED)

=> d bib ab 1-2 112

L12 ANSWER 1 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1984:306000 BIOSIS

DN PREV198478042480; BA78:42480

TI CORTISOL MODULATION OF OSTEO BLAST METABOLIC ACTIVITY IN CULTURED NEO
NATAL RAT BONE.

AU HAHN T J [Reprint author]; WESTBROOK S L; HALSTEAD L R

CS ENDOCRINOLSECT, WADSWORTH VETERANS ADM MED CENT, WILSHIRE AND SAWTELLE
BLVD, LOS ANGELES, CALIF 90073, USA

SO Endocrinology, (1984) Vol. 114, No. 5, pp. 1864-1870.
CODEN: ENDOAO. ISSN: 0013-7227.

DT Article

FS BA

LA ENGLISH

AB The effects of cortisol on basal levels of indices of osteoblast metabolic activity and on PTH [parathyroid hormone] regulation of osteoblast activity in vitro were examined in intact bone preparations from neonatal rat calvaria. Uniform punch sections from the frontal portion of calvaria of 3-day-old rats were cultured for 24 h at 37° C in modified BGJb medium. When bone sections were incubated in medium supplemented with cortisol (100 nM) for 24 h, indices of osteoblast metabolic activity, expressed both per total bone section and per µg bone DNA, were significantly increased relative to control values. Expressed per µg DNA, the following percentage increases were observed in cortisol-treated cultures: alkaline phosphatase activity, +22% (P < 0.02); [³H]collagen synthesis, +41% (P < 0.001) and [¹⁴C]citrate decarboxylation, +108% (P < 0.001). Total DNA per bone section after 24 h was increased by 18% (P < 0.01) and [³H]thymidine incorporation at 24 h was increased by 26% (P < 0.01) relative to control values. Stimulation by cortisol occurred in a dose-related manner over concentrations from 1 nM to 1 µM. The stimulatory effects of cortisol were first seen after 6 h of exposure and increased steadily through 24 h of exposure. Incubation in the presence of PTH-(1-34) (100 ng/ml) resulted in significant decrease in alkaline phosphatase activity, collagen synthesis and citrate decarboxylation after 24 h of exposure (P < 0.001). The relative order of sensitivity to PTH suppression was identical to the relative sensitivity to cortisol stimulation. In the presence of cortisol (100 nM), the suppressive effect of PTH on all 3 indices was increased significantly by a factor of 2- to 4-fold. In intact cultured bone, physiological concentrations of cortisol

produce both an initial enhancement of indices of osteoblast metabolism and increased osteoblast sensitivity to regulation by PTH.

L12 ANSWER 2 OF 2 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1983:165593 BIOSIS
DN PREV198375015593; BA75:15593
TI BIOCHEMICAL CHARACTERIZATION OF THE LAYERS OF SUB CUTANEOUS ADIPOSE TISSUES IN THE PIG BODY.
AU STURM G [Reprint author]; KARL I; SCHWARZ B; SIEBERT G
CS DIV ANAT PHYSIOL DOMESTIC ANIM, UNIV HOHENHEIM, FRUWIRTHSTR 35, 7000 STUTTGART 70
SO Zeitschrift fuer Ernaehrungswissenschaft, (1982) Vol. 21, No. 1, pp. 2-11.
CODEN: ZERNAL. ISSN: 0044-264X.
DT Article
FS BA
LA ENGLISH
AB During the formation of 2 layers of adipose tissue in the pig's body, starting from the 80th day after birth, samples were obtained by biopsy and analyzed for gross constituents and enzymes concerned with fatty acid biosynthesis. These 2 layers differ in total lipid and water content and demonstrate more subtle differences among DNA, protein, collagen and Na concentrations when comparisons were made in regard to age, sex and breeding selection for low-fat animals. Acetyl-CoA carboxylase, malic enzyme and glucose-6-phosphate dehydrogenase were more active in the inner layer, while 6-phosphogluconate and isocitrate dehydrogenases were also distinguishable in the 2 layers of adipose tissue if age, sex and breeding lines were considered. The data form the basis for a more detailed study of lipogenic potentials in adipose tissue.

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Refine Search

Search Results -

Terms	Documents
L3 near8 L8	1

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DB=PGPB,USPT; PLUR=YES; OP=AND

<u>L9</u>	l3 near8 L8	1	<u>L9</u>
<u>L8</u>	(dna or nucleic adj acid or polynucleotide or rna)	121115	<u>L8</u>
<u>L7</u>	l3 and L6	3	<u>L7</u>
<u>L6</u>	solution near6 (dna or nucleic adj acid or polynucleotide or rna)	24711	<u>L6</u>
<u>L5</u>	l3 and L4	0	<u>L5</u>
<u>L4</u>	stabiliz\$ near6 (dna or nucleic adj acid or polynucleotide or rna)	3292	<u>L4</u>
<u>L3</u>	l1 near9 L2	137	<u>L3</u>
<u>L2</u>	atellocollagen or collagen	41449	<u>L2</u>
<u>L1</u>	(citric or tartaric) adj acid or citrate	153108	<u>L1</u>

END OF SEARCH HISTORY

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1. [20030175808](#). 18 Dec 02. 18 Sep 03. Novel protein and dna thereof. Kurokawa, Tomofumi, et al. 435/7.1; 435/184 435/320.1 435/325 435/6 435/69.1 514/44 514/7 536/23.5 C12Q001/68 G01N033/53 C07H021/04 C12N009/99 C12P021/02 C12N005/06 A61K038/57.

2. [20030124196](#). 22 Aug 01. 03 Jul 03. Pulsatile release compositions and methods for enhanced intestinal drug absorption. Weinbach, Susan, et al. 424/499; 514/44 A61K048/00 A61K009/50.

3. [20030083286](#). 22 Aug 01. 01 May 03. Bioadhesive compositions and methods for enhanced intestinal drug absorption. Teng, Ching-Leou, et al. 514/44; 424/463 424/474 514/12 A61K048/00 A61K038/17 A61K009/48 A61K009/28.

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1. 20030171288. 10 Jan 03. 11 Sep 03. Treatment of bone disorders with skeletal anabolic drugs. Stewart, Andrew F.. 514/12; A61K038/00.

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Terms	Documents
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